



# भारत का राजपत्र The Gazette of India

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NEW DELHI, SATURDAY, JANUARY 16, 1971 (PAUSA 26, 1892)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 16th January 1971

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

26th December 1970

- 129734. Mrinal Kanti Karmakar. Automatic target changing device.
- 129735. C. Conradty. Securing of screwed nipple connections. (17th November 1970).
- 129736. T. Fukuoka. Footwear.
- 129737. R. S. Doshi. Auto cigarette lighter.
- 129738. P. A. Ayyathurai. Kiddy horse.
- 129739. V. C. Thomas. Trimmer.
- 129740. S. C. Parikh. A punching machine for flexible sheets.
- 129741. Wilhelm Staniecker G.m.b.H. Twin top rollers for drafting systems of spinning machines.
- 129742. M. H. Desai. Special filter for tobacco smoke.

28th December 1970

- 129743. D. V. Singh. Portable power trimmer.
- 129744. Council of Scientific and Industrial Research. Multi tone finished antique leathers using novel design screen.

129745. Ranjit Kumar Ghosh and Ranjan Kumar Ghosh. Heart sound vibration pick-up.

129746. Council of Scientific and Industrial Research. An improved process for the manufacture of Pine oil from turpentine oils of low pinene contents.

129747. L. S. Herekar. Anti air water chamber for centrifugal pump.

129748. Girling Limited. Liquid reservoirs. (10th January 1970).

129749. N. V. Bekaert S. A. Process for the manufacture of a steel wire coated by extrusion with polyethylene terephthalate, as well as the polyethylene terephthalate coated steel wire and the products manufactured from it.

129750. Farbenfabriken Bayer Aktiengesellschaft. 2-acylamino-1, 3, 4-thiadiazole-(thi) ones-(5), process for their preparation and their use as herbicides.

129751. P. G. Panicker. Small scale board and paper machine.

129752. The Director, Indian Agricultural Research Institute, New Delhi-12, India. Improvements in or relating to microbial production of L-lysine.

129753. W. C. Welsh. Storage silo construction.

129754. Merlin Gerin. Alternating current circuit interrupting system comprising a rectifier shunt path.

129755. T. Horiuchi. Cyclone separator.

129756. R. K. Jain. Improvements in or relating to stethoscope.

129757. Matsushita Electric Industrial Co., Ltd. A cell using manganese dioxide as a cathode depolarizer and a method for producing said manganese dioxide.

129758. M. J. Rubio. Process of making tortilla dough.

129759. McNeil Laboratories, Incorporated. Process for preparing aroyl-substituted pyrroles and product prepared thereby [Addition to No. 116819].
129760. Fisher Flouring Mills Co., System for the continuous production of bulgur.
129761. M. V. Kunte. Improvements in or relating to cine film viewer or like equipments.
129762. K. R. Dholaria. A densitometer.
129763. K. R. Dholaria. A device to measure the quantity or the level of the liquid in liquid tanks.
129764. A. Veerappan. An improved rapid fire furnace.
129765. N. M. Poojara. Improvements in or relating to torch lights and switch device for such torches.
129766. C. S. Patel. Improvements in or relating to pilfer-proof closures, and neck rings for bottle or the like containers for such closures. [Addition to No. 112479].

29th December 1970

129767. Dr. V. Iswaran. An inoculation coating composition for coating of legume seeds.
129768. Joseph Lucas (Industries) Limited. Fault detecting system for road vehicles.
129769. Universal Oil Products Company. A process for the production of a selected aromatic hydrocarbon.
129770. The British Oxygen Company Limited. Vacuum-Insulated pipeline. (7th January 1970).
129771. Uniroyal Englebert Deutschland AG. Tire building drum.
129772. K. O. T. Walander. A barrier system for aircraft of different sizes.
129773. Farbenfabriken Bayer Aktiengesellschaft. 5-imino-1, 2, 4-triazin derivatives.
129774. S. M. Pancharia. Improvements in or relating to punch files for documents.
129775. The Director, Power Research Institute, Central Water and Power Commission (Power Wing), Ministry of Irrigation and Power, Bangalore-12, Process for determining the acid content of insulating oils.
129776. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Process for the manufacture of benzodiazepine derivatives.
129777. Cassella Farbwerke Mainkur Aktiengesellschaft. Water-insoluble monoazo dyes.
129778. Nippon Kokan Kabushiki Kaisha. A method of testing fatigue rate of structures.
129779. Brown, Boveri & Company Limited. Improvements in or relating to hoist motor control systems. (5th November 1970).

30th December 1970

129780. B. Jain. Level umbrella.
129781. Ciba-Geigy Limited. Process for the production of new imidazole derivatives.
129782. Girling Limited. Improvements in or relating to lock actuators. (2nd January 1970).
129783. Balm Paints Limited. Polymer and process.
129784. The Ohio Brass Company. Lightning arrester and gap unit therefor.
129785. The Norwich Pharmacal Company. Certain 4-amino-2-(5-nitro-2-thienyl) quinoxolines and the intermediate 4-chloro-(5-nitro-2-thienyl) quinoxolines therefor.
129786. FMC Corporation. Heat sterilized, stable aqueous dairy drink.

129787. Rockfield Industries Corporation. Hangers for dress materials.
129788. Santi Pado Banerjee. Improvements in or relating to poles or like members or railway sleepers.
129789. N. J. Trivedi. Range reducer and finder. An instrument for measuring long distance after reducing to an appropriate ratio.
129790. Sandoz Ltd. Improvements in or relating to organic compounds. (1st January 1970).
129791. Cabot Corporation. Paper products.
129792. Plessey Handel Und Investments AG. Improvements in or relating to jointing clips for insulated electric wires. (31st December 1969).
129793. N. Tatarao. A new type of 'fish plate type of joint' for prestressed cement concrete poles.
129794. N. Tatarao. A new type of horn gap fuse combined with a switch for 11 and 33 KV rural lines.
129795. N. Tatarao. A new type of flanged joint for prestressed cement concrete poles.

31st December 1970

129796. R. B. Contractor. Improvement in or relating to preserving packing and handling of indicator paper.
129797. Ardhendusckhar Sarkar. A process for manufacture of twist-drill rods for use with rotary drilling machines used in mines and tunnels.
129798. Joseph Lucas (Industries) Limited. Electrical switches. (16th January 1970).
129799. Miles Laboratories, Inc. Ion selective sensing device and process.
129800. Richter Gedeon Vegyeszeth Gyar RT. N. N'-diacylhydrazine derivatives and a process for the preparation thereof.
129801. Richter Gedeon Vegyeszeti Gyar RT. New hydroxamic acid derivatives of alfaaminoxy-carboxylic acids.
129802. Richter Gedeon Vegyeszeti Gyar RT. New alfa-aminoxy-carboxylic amide derivatives.
129803. R. S. Doshi. Jintan case with mirror.
129804. V. H. Manohar. Improved topfeed (down-floor) system of refrigeration.
129805. Knapsack Aktiengesellschaft. Safety device for preventing the return movement of electrodes in electric furnaces or similar apparatuses.
129806. Mitsui Toatsu Chemicals, Incorporated. Process for manufacturing granular compound fertilizer.
129807. Sandoz Ltd. Improvements in or relating to organic compounds. [Divisional date 15th July 1969].
129808. Toyo Jozo Kabushiki Kaisha. Diacyl penicillins and method for their production.
129809. T. Nagata. Plantation refined sugar producing process.
129810. Jitendra Nath Das. Improved electric heater.

1st January 1971

129811. L. Danieli. A roller way comprising carriages mutually movable along the common axis for unloading billets downstream a continuous shearing machine.
129812. L. Danieli. A continuous bar casting plant.
129813. Sumitomo Chemical Company Limited. Method of antioxidation of alkali sulfite.
129814. Mitsubishi Jukogyo Kabushiki Kaisha. Shipyard.

129815. P. R. Shah. Improvements in or relating to mist-forming spray nozzle for hand or mechanically operated spray pumps and the like.
129816. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble disazo-dye-stuffs and process for their preparation.
129817. M. D. Kocherginsky, S. L. Kalachev, V. A. Naumenko, L. F. Penkova. Storage cell with dissoluble negative zinc electrodes.
129818. Metallgesellschaft A. G. and The Steel Company of Canada, Limited. Process of preventing of lowering the reoxidation of sponge iron. [Addition to No. 123065].
129819. Vyzkumny Ustav Obracich Stroj A. Obraveni. Method for locating machines, devices, equipment or their parts.
129820. Harbans Lal Malhotra & Sons Private Ltd. Process for the manufacture of shaving blades.
129821. Harbans Lal Malhotra & Sons Private Ltd. Safety shaving apparatus.

#### Alteration of Date

129338. Ante-dated to 20th March 1969 under Section 5 of the Act.
120561. The claim to priority date 28th March 1968 has been abandoned and the application dated as of 26th March 1969, the date of filing in India.
129337. Ante-dated to 20th March 1969 under Section 5 of the Act.
126109. Ante-dated to 24th March 1969 under Section 5 of the Act.
118188. Post-dated to 21st August 1969 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933 of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

118188. Council of Scientific and Industrial Research. Improvements in and relating to manufacture and use of bricks or blocks for masonry work. Accepted on 26th December 1970.

*Wherein the brick or block has three projections on the upper side and three female recesses in the lower side whereby two male projections of one block interlock with two corresponding recesses of another block.*

120270. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Thiocarbamoylalkylamino-s-triazine, process for preparing same and compositions containing said S-triazines. Accepted on 11th December 1970.

*Process for preparation of thiocarboxylanino-s-triazine which compresses reacting cyanuric chloride with required molar quantities of the corres-*

*ponding  $\alpha$ ,  $\alpha$ -disubstituted amino acetic thioamides followed by the introduction of second amino group into the triazine molecule.*

120359. H. Holloway. Process of treating de-hulled and de-limed cotton seeds. Accepted on 15th December 1970.

*By drying the undefatted cotton seed meats, subjecting the dried meats to a flaking operation, subjecting the thus conditioned flaked material to disintegration.*

120405. D. Ramachar, R. K. Viswanadham and D. T. Rao. Improvements in or relating to decuticling and degemming groundnut kernels. Accepted on 18th December 1970.

*Comprising of an assembly of a trough type grate with spacing formed of flats or rods or a trough type grate, and a roller type beater with grooves and with or without steps on its surface rotating in a vertical plane coaxially in the trough, it also consists of an inclined plane and a fan.*

120449. Esso Research and Engineering Company. Sulfonated polymers. Accepted on 21st December 1970.

*Comprises dissolving a polymer containing olefinic unsaturation in a solvent, reacting the solution with an  $SO_3$  complex and reacting the sulfonated polymer with a compound selected from amines, metal salt, alkali metal hydroxides and alkali metal alkoxides.*

120450. Esso Research and Engineering Company. Cross-linkable sulfonic acid polymers. Accepted on 21st December 1970.

*Comprises sulfonating a polymer containing aromatic nuclei with an  $SO_3$  complex and reacting the product with a compound selected from amines, metal salts and alkali metal alkoxides.*

120498. Melude SA. Member for supporting light source. Accepted on 10th December 1970.

*Having a central part and an end part at end of central part arranged symmetrically to define a channel shape, the central and end parts having a channel shape intransverse cross-section the light source being fitted within the central and end parts.*

120509. Shell Internationale Research Maatschappij N. V. Process for preparing acrylanilide derivatives the derivatives so prepared and biocidally active compositions containing the same. (25th March 1968). Accepted on 24th December 1970.

*Comprises halogenating a corresponding carboxylic acid, and condensing the acyl halide obtained with an aniline.*

120511. Itt Rayonier Incorporated. Process for making high crimp, high tenacity rayon fibres and the product produced therefrom. Accepted on 24th December 1970.

*Spinning a viscose spinning solution at a temperature of 18 to 40°C, stretching the filaments from about 120 to 280%, while the filaments are less than 50% regenerated relaxing the tension on the filaments about 20 to 60% and treating the relaxed filaments with an alkaline solution having a pH of 7.5 to 10.*

120536. Joseph Lucas (Industries) Limited. Electrical supply systems for road vehicles. Accepted on 22nd December 1970.

*Comprising supply lines, a permanent magnet alternator with a winding a diode, a gate controller switch across said winding and voltage sensing means across the supply line.*

120557. The Dunlop Company Limited. Method and apparatus for forming articles e.g. pneumatic tyres. (29th March 1968). Accepted on 26th December 1970.

*Comprises shaping the wall to a desired configuration, rendering the material solid to support the wall whilst the article is formed and rendering the material fluid to enable the formed article to be separated from supporting member.*

120561. Scottish Agricultural Industries Limited. Plant growth regulating and enhancing compositions. Accepted on 26th December 1970.

*Comprising a phosphonic acid derivative or phosphinothiaryl acid derivative in admixture with an inert carrier.*

120608. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Medium for influencing the growth of plants. Accepted on 28th December 1970.

*Containing new substituted S-triazine compound and solid or liquid carriers.*

120685. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the dyeing, padding and printing of fibrous materials with water-insoluble aminoazo dyestuffs. Accepted on 30th December 1970.

*Fibrous materials are treated with water-insoluble monoozo dyestuffs of a specific formula.*

120722. Institutul De Proiectari Instalatii Petoliere Ploiesti. Solvent extraction of mineral oils using furfural as solvent. Accepted on 29th December 1970.

*Dehydrating the feed stock and contacting it with furfural solvent, obtaining a raffinate portion and an extract phase and the two portions are subjected to further treatment to recover the oils and the solvents.*

120781. Imperial Chemical Industries Limited. Azo dyes containing at least two polymerisable groups and their application to fibrous materials and polymeric films. (17th April 1968). Accepted on 1st January 1971.

*Treating fibrous material with azo dyes prepared by coupling a diazotised nitro aromatic amine to an amino containing coupling component, reducing the nitro group and acylating the free amino groups.*

121068. Grunzweig Hartmann Aktiengesellschaft. Apparatus for carrying out the full mould casting process. Accepted on 1st January 1971.

*Characterized in that the side walls of the moulding box are gas-pervious and that means are also provided which remove the hot gases through the side walls.*

121188. Identification Corporation. Identification system. Accepted on 29th December 1970.

*Comprising a first precalculated identifying means arranged in a first pattern, finger sensing means operable to produce a second pattern by a second identifying means and means for comparing the patterns.*

121264. Essex International, Inc. Electromagnetic relays. (30th January 1969). Accepted on 28th December 1970.

*Contacts are so positioned with respect to the flux field that the latter produces a magnetic blowout effect at the contacts the armature normally occupies a position relative the free end of the leg preventing removal of the coil.*

121509. Hycel Europa N. V. Improvements in or relating to automated chemical testing apparatus. (25th October 1968). Accepted on 28th December 1970.

*Characterized by cleaning and drying means and by the conveyor being a loop conveyor having a forward run and a return run and the return run carrying the containers past the cleaning and drying means.*

121643. Sandeeran Chemical Company. Improvements in or relating to a device for delivering measured

quantity of medicine or the like in powder or liquid form. Accepted on 1st January 1971.

*Comprises a barrel open at both ends, bottom end thereof carries an inverted bucket and upper end carries external screw threads, a piston rod is fitted to upper free end and carries a piston separated by an inverted conical projection formed in its middle is slidably fitted within said barrel.*

121914. Sumitomo Chemical Company, Ltd. A novel mono-azo dye, process for the production thereof, process of dyeing textile fibres with said dye and textile fibres so dyed. Accepted on 21st December 1970.

*Reacting diazotised amine like 2  $\beta$  -hydroxyethyl sulfonylaniline with  $\alpha$  -naphthol derivative like reaction product of 7-amino-1-naphol-3-sulphonic acid with succinic anhydride and treating reaction product with sulfating agent.*

121966. The Goodyear Tire & Rubber Company. Improvements in new polymeric polyesters. Accepted on 24th December 1970.

*Ethylene glycol, terephthalic acid and substituted succinic acid in which the substituents contain at least 12 carbon atoms are reacted.*

122004. J. Ram. Cantiliver six frame folding bedstead. Accepted on 28th December 1970.

*Comprising two central frames, two end frames and two leg frames, the central frames being hinged together at the centre of the bed, said end frames being hinged at the outer corners of the central frames and the leg frames being hinged at their upper ends to the outer corners of the central frames.*

122106. Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.p.A. Improvements in or relating to methods and devices for producing cohered continuous multifilamentary yarns. Accepted on 31st December 1970.

*Characterised in that the advance is effected in the area where the gas jet is active, under conditions such as to limit the amplitude and the length of the possible vibration in a direction which is transversal both to the direction of advance and to the axis of the gas jet.*

122115. Phillips Petroleum Company. Method and apparatus for the preparation of carbon black. Accepted on 24th December 1970.

*Comprises mixing a hydrocarbon with a first quantity of hot gases to form a dispersal of said hydrocarbon, mixing a second quantity of hot gases with said dispersal to form a reaction mass and introducing said reaction mass into a carbon black formation zone.*

122130. Electric Power Storage Limited. Improvements in or relating to electric storage batteries. Accepted on 31st December 1970.

*In which adjacent cells are separated by a partition and the electrodes of one polarity in a cell are intercalated between those of opposite polarity so that sectional views in a plane parallel to the partition can pass through electrodes of both polarities while electrodes of opposite polarities in neighbouring cells are connected together through the partition at a number of points distributed over the area of the partition.*

122147. N. V. Philips Gloeilampenfabrieken. A hypodermic injection device. Accepted on 24th December 1970.

*Providing an injection device of the type wherein a plunger is cocked against the force of a source of potential energy which plunger when released will exert a force on a piston to expel medication from an ampoule associated with the gun.*

122171. Glanzstoff A. G. Process for increasing the molecular weight of polyesters. (14th May 1969). Accepted on 28th December 1970.

- Granulate is heated and moves under gravity and inert gases passed countercurrent to it and condensation is continued until it reaches a solution viscosity of  $S_v = 1.6$  to  $3.0$ .*
122176. R. A. Parikh. A device to indicate quantity of gas contained in a cooking gas cylinder. Accepted on 29th December 1970.
- A rubber tube is filled with liquid and when it is pressed under the weight of cylinder, liquid is injected proportional to the weight of the cylinder.*
122326. Rhone-Poulenc S. A. Process for preparing cation exchange membranes. Accepted on 29th December 1970.
- Comprises treating a film of a binary ethylene vinyl alcohol copolymer and/or ternary ethylene vinyl alcohol-vinyl ester copolymer (in specified proportion) with one or more of  $H_2SO_4$  oleum chloro sulphonic acid,  $SO_3$  etc.*
122333. Csepeli Fennu. Cold-rolled transformer laminations and sheets with a cubic structure, and a process for the manufacture thereof. Accepted on 28th December 1970.
- Contain a maximum of 4% by weight of silicon alloyed with 0.0001-0.20% by weight, preferably 0.04-0.06% by weight of gallium, 0-0.5% by weight, preferably 0.2-0.4% by weight of nickel and 0-0.5% by weight, preferably 0.2-0.3% by weight of copper.*
122354. V. V. Babu. Positive displacement hydraulic torque converter. Accepted on 24th December 1970.
- Two positive displacement rotary pumps being placed side by side facing each other, surrounded by an elliptically shaped slide and separated by a partition and filled with a low viscosity oil.*
122399. Ciba Limited. New N-heterocyclic N, N'-diglycidyl compounds, process for their manufacture and their use. Accepted on 24th December 1970.
- Comprising 2, 4 dioxo-5, 5 dimethyl 6-isopropyl hexa hydro pyrimidine with epichlorohydrin.*
122414. Vsesojuzny nauchno-issledovatel'sky i projektirovatskiy institut metallurgicheskogo mashinostroyeniya. A mechanism for rocking a mould of continuous casting machines, preferably of curved ones. Accepted on 31st December 1970.
- Framework is provided with a projection entering into guides made as rollers, mounted on axes.*
122421. J. R. Geigy A. G. and Agripat S. A. Process for the production of 2, 4-diamino-6-alkylthio-s-triazine. Accepted on 29th December 1970.
- Characterised in that the reaction of 2, 4-diamino-6-chloro-s-triazine with alkali metal alkyl mercaptide at least towards the end is carried out in a liquid-liquid system at 120-220°C and under pressure which correspond to the said temperature in the closed reaction system.*
122496. N. V. Philips Gloeilampenfabrieken. A connection element for electrical devices, a method for the manufacture thereof and a gas discharge lamp provided with such a connection element. Accepted on 22nd December 1970.
- Resistive coating extends through a bridge like portion of the insulating plate bounded by holes in the insulating plate.*
122504. Council of Scientific and Industrial Research. A composition which on being burnt will give off smoke for repelling, immobilising paralyzing or causing death to flying insects such as mosquitoes. Accepted on 28th December 1970.
- Comprising of pyrethrum marc, deodar sawdust, bark of litsea salifera, pyrethrum oleoresin benzoic acid and oil citronella mixed with sufficient water to mold into suitable shapes.*
122568. Council of Scientific and Industrial Research. A distillation apparatus. Accepted on 26th December 1970.
- Comprising (i) a distillation flask, (ii) a heater and (iii) connecting pins.*
122620. R. D. Amburn. Apparatus and process for treating seeds (21st May 1969). Accepted on 29th December 1970.
- Comprising a conduit a magnet mounted on said conduit, and an auger having a shaft coaxial with said conduit and a helical flight for moving seeds from the inlet to the outlet.*
122659. E. A. Magid. Pressure embossing apparatus. Accepted on 26th December 1970.
- Comprising a rotary patterned embossing roller and at least two back-up rollers located directly next to the embossing roller for pressing sheet materials against embossing roller.*
122697. The Dow Chemical Company. Method for producing pigment compositions for thermoplastic polymers. Accepted on 24th December 1970.
- Forming an intimate admixture of an insolubles, finely divided pigment, a metal salt of a fatty acid and a fatty acid and compacting the admixture and subsequently granulating and Sifting.*
122761. Pfizer Corporation. Dual-chamber liquid injector especially for veterinary purposes. Accepted on 26th December 1970.
- Comprising an injector and the form of a piston type syringe constituting a first chamber for a substance to be mixed and a second chamber for a further substance to be mixed is provided by an additional receptacle adapted to be fitted on the nozzle portion of the injector.*
122847. C.A.V. Limited. Regulators for dynamo electric machines. (3rd September 1968). Accepted on 28th December 1970.
- Comprising a resistor through which current passes, and an amplifier being arranged to produce input control signal only when the voltage across said resistor attains a pre-determined value.*
122852. Institut Avtomatiki i Telemekhaniki (Tekhnicheskoi Kibernetiki). A linear gas-discharge indicator. Accepted on 28th December 1970.
- An additional cathode is disposed between anode and indicating cathode closer to one of the ends of envelope and designed so as to decrease the required power of control signal by means of pre-ionisation.*
122857. J. Urbain. Automatic control device for the regeneration of ion-exchange resins. Accepted on 28th December 1970.
- Comprising essentially two pairs of electrodes, a diode, a capacitor, a resistance to integrate the tensions at the level of the two pairs of electrodes, a threshold amplifier, and a second diode.*
122890. Siemens Aktiengesellschaft. A rotary circuit-breaker. Accepted on 29th December 1970.
- Terminal portions of contact components are resiliently movable relative to the frame and the frame can be fixedly supported independently of bushbars.*
122907. Phillips Petroleum Company. Carbon black drying. Accepted on 29th December 1970.
- Pelleting a particulate carbon black in the presence of a pelleting agent and drying by heat exchange with hot gases at a temperature in which drying disintegration of pellets occur to produce the desired fines.*
122990. Institut Français Du Pétrole. Des Carburants Et Lubrifiants. Improved process for growing algae and apparatus therefor. Accepted on 29th December 1970.

*Comprises operating in a culture pool provided with a thin sheet of transparent plastic material so attached as to form a substantially gas tight enclosure over the pool, and injecting CO<sub>2</sub> containing gas within the aqueous nutritive phase containing algae under a pressure sufficient to maintain the sheet in lifted position.*

123003. Hercules Incorporated. A priming composition and process for bonding of polymers to glass, metal and metal oxide substrate therewith. Accepted on 1st January 1971.

*Comprising (1) a coupling agent and (2) a polyfunctional azide.*

123038. Compagnie De Saint-Gobain. Process and apparatus for the production of fibres from thermoplastic materials such as glass fibres. Accepted on 24th December 1970.

*Comprises a sheet of the material is caused to flow continuously over a surface which has apertures or slots, a current of gas, being caused to act on the sheet to drive the material through the apertures or slots to form primary filaments and to attenuate them into fibres.*

123279. Anglo American Corporation of South Africa Limited. Upgrading of chromite and other ferruginous ores. Accepted on 30th December 1970.

*Contacting a mixture of the material and an iron salt solution with an oxygen containing gas.*

123541. E. I. du Pont de Nemours and Company. Process for the preparation of 1-carbamoylsubstituted-2-benzimidazolecarbamates. Accepted on 26th December 1970.

*By reacting an alkyl 2-benzimidazole carbamate with an isocyanate.*

123642. Council of Scientific and Industrial Research. A process for the production of matrix board (stereoflong). Accepted on 29th December 1970.

*Addition of phenol formaldehyde resin and wax emulsion to the pulp and lowering the pH to 4.5-5.5 by the addition of alum.*

123728. Richardsons Manufacturing Chemists Limited. Application packs for cosmetic or like powders. Accepted on 1st January 1971.

*Comprising forming a pocket by welding or fusing together at least two sheets of material, at least one of which is formed of heat sensitive plastic material.*

124331. Nipkip. A method and electronic photometer for textile fabrics non-creasability measurements. Accepted on 1st January 1971.

*A circular sample preconditioned and after wards strained is placed tangentially on the way of a parallel beam of light.*

125469. Kabushiki Kaisha Ichikio Kogyosha. Apparatus for heat treatment of fabric. Accepted on 1st January 1971.

*Several feed rolls arranged to adhere a fabric to their surfaces by suction air are provided in parallel one with another within a heating chamber projecting steam when the fabric is in a loop form between respective adjacent rolls.*

125654. Westinghouse Electric Corporation. Explosive circuit interrupting device. Accepted on 26th December 1970

*Including an insulated breakable housing having a central recess with a metal case containing an explosive charge, a discharge gap formed by ground terminal means and metal case, a resistor connected across the gap, and an insulated spacer in the recess, and between metal case and terminal means.*

126109. Shell Internationale Research Maatschappij N. V. Process for preparing acrylamide derivatives the derivatives so prepared and biocidally active com-

positions containing the same. [Divisional date 24th March 1969]. Accepted on 24th December 1970.

*Comprises halogenating the corresponding carboxylic acid and condensing the resulting acyl halide with an amine.*

129338. Esso Research and Engineering Company. Sulfonic acid polymers. [Divisional date 20th March 1969]. Accepted on 21st December 1970.

*Comprises sulfonating a polymer containing aromatic nuclei with a SO<sub>3</sub> complex the SO<sub>3</sub> complex concentration being about 0.2-20 mole % per 100 aromatic group units in the polymer.*

129337. Esso Research and Engineering Company. Sulfonated polymers. [Divisional date 20th March 1969]. Accepted on 21st December 1970.

*Comprises dissolving a polymer containing olefinic unsaturation in a suitable solvent and reacting the solution with an SO<sub>3</sub> complex.*

#### Opposition Proceedings

An opposition has been entered by Bally Shoe Company Private Ltd. to the grant of a patent on application No. 118054, made by Tatsuo Fukuoka.

#### Patents Sealed

92127.	111559.	112007.	115777.	116400.	116737.	117253.
117377.	117401.	117403.	117408.	117416.	117423.	117431.
117524.	117557.	118164.	118480.	118521.	118564.	118583.
118648.	118714.	118784.	118826.	118830.	118870.	118949.
119008.	119049.	119083.	119136.	119146.	119245.	119305.
119341.	119401.	119509.	119637.	119651.	119712.	119744.
119791.	119810.	119834.	119921.	119958.	120123.	120170.
120305.	120379.	120495.	120534.	120582.	120667.	120698.
120758.	120763.	120779.	120818.	120847.	120931.	120989.
121003.	121017.	121046.	121079.	121108.	121159.	121227.
121254.	121265.	121266.	121364.	121432.	121444.	121445.
121455.	121478.	121517.	121558.	121732.	121881.	121891.
121892.	121895.	121967.	122028.	122201.	122224.	122341.
122448.	122844.	122851.	122901.	122941.	123014.	123148.
123488.	123669.	124526.				

#### Renewal Fees Paid

56286.	56289.	56290.	56327.	56369.	56384.	56385.	56386.
56387.	56504.	56617.	59374.	59391.	59392.	59416.	59690.
60489.	62505.	62696.	62775.	62792.	62793.	62820.	62822.
62868.	62934.	63140.	63175.	63176.	65726.	66050.	66051.
66095.	66299.	66300.	66301.	66302.	66303.	66304.	66346.
66378.	66424.	66460.	66596.	66730.	66851.	66861.	67384.
67857.	69613.	70176.	70262.	70286.	70348.	70402.	70424.
70525.	70528.	70544.	70569.	70587.	70865.	70867.	70955.
71100.	71271.	71328.	72770.	72965.	73041.	73714.	73715.
74107.	74780.	74822.	74933.	74948.	75031.	75146.	75147.
75148.	75173.	75268.	75269.	75270.	75271.	75272.	75304.
75981.	76725.	78259.	78760.	79921.	79944.	80002.	80135.
80195.	80197.	80198.	80199.	80244.	80245.	80262.	80359.
80403.	80421.	80439.	80462.	80604.	80664.	80727.	80746.
80912.	80959.	81171.	82354.	82795.	84889.	85327.	85865.
85866.	85871.	85872.	85879.	85910.	85914.	85926.	85964.
85985.	85986.	86000.	86016.	86040.	86102.	86106.	86130.
86188.	86195.	86236.	86300.	86349.	86594.	86661.	86684.
86708.	86785.	86845.	86937.	87081.	87206.	89196.	89715.
90103.	91421.	91487.	91575.	91640.	91662.	91761.	91771.
91772.	91773.	91774.	91775.	91776.	91806.	91809.	91821.
91859.	91862.	91863.	91864.	91865.	91964.	91982.	92013.
92053.	92079.	92090.	92179.	92181.	92182.	92183.	92344.
92384.	92385.	92402.	92525.	92529.	92617.	92623.	92859.
93119.	93148.	93149.	93291.	93292.	93699.	94113.	94389.
95102.	96802.	97201.	97206.	97221.	97244.	97245.	97265.
97277.	97278.	97282.	97297.	97329.	97334.	97335.	97346.
97377.	97389.	97390.	97391.	97392.	97512.	97513.	97517.
97518.	97529.	97595.	97640.	97643.	97722.	97750.	98172.
98209.	98335.	98684.	98938.	99061.	99474.	99479.	99486.
99527.	99529.	99531.	99573.	101669.	101945.	103067.	
103241.	103292.	103299.	103318.	103319.	103330.	103337.	
103338.	103425.	103444.	103445.	103447.	103505.	103588.	
103664.	103676.	103692.	103731.	103848.	103868.	103902.	
103937.	103999.	104054.	104082.	104102.	104173.	104199.	
104278.	104628.	104667.	104796.	105002.	105938.	106717.	
107237.	107910.	107925.	108238.	108334.	108524.	108541.	
108542.	108589.	108644.	108678.	108684.	108702.	108704.	

108721. 108722. 108732. 108741. 108742. 108759. 108777.  
 108891. 108905. 108906. 108972. 109003. 109013. 109014.  
 109015. 109019. 109031. 109069. 109070. 109072. 109076.  
 109115. 109121. 109130. 109150. 109200. 109318. 109319.  
 109322. 109335. 109399. 109439. 109462. 109575. 109738.  
 109965. 110145. 110277. 110438. 110915. 111290. 112030.  
 112088. 112326. 112438. 112549. 114893. 116558. 117900.

#### Cessation of Patents

69973. 69974. 69977. 69978. 69983. 69984. 69986. 69992.  
 69996. 70000. 70003. 70005. 70008. 70011. 70012. 70014.  
 70016. 70017. 71893. 83954. 83956. 83957. 83958.

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 137535. Polar Auto & Engineering Industries Private Limited, 908-Akash Deep, Barakhamba Road, New Delhi, (India) An Indian Company. "A fan". June 1, 1970.

Class 1. No. 137590. Qayyum Bhai & Company, P.O. Box No. 83, Nai Basti Street, Moradabad—U.P. (India). Indian Proprietary concern "Coffee pot". June 8, 1970.

Class 1. No. 137700. Daikure Co., Ltd. a Corporation organized under the laws of Japan, 2, Tsukijicho, Kure-City, Hiroshima-Prefecture, Japan. "Lattice type step board". July 15, 1970.

Class 1. No. 137762. Hindustan Lever Limited, a Company incorporated in India and having its registered office at Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-1, BR, Maharashtra, "Jar", July 31, 1970.

Class 1. No. 138004. Jhaveri Bros., & Co., Pvt., Ltd., a Private Limited Company incorporated in India under the Indian Companies Act, 348, Abdul Rehman Street, Near Crawford Market, Bombay-3, State of Maharashtra, India. "The stick of a door-gong". September 28, 1970.

Class 1. Nos. 137816 and 137817. Guru Nanak Mercantile Company, Phagwara Gate, Jullundur City (Pb.), India, "A grinding mill". August 17, 1970.

Class 1. No. 137819. Anchor Pressings Private Limited, Marris Road, Aligarh, (U.P.), India, an Indian Company. "A case-ment stay". August 17, 1970.

Class 1. Nos. 137820 and 137821. Anchor Pressings Private Limited, Marris Road, Aligarh, (U.P.), India, An Indian Company "A door lock handle", August 17, 1970.

Class 1. Nos. 137903 and 137904. Sang Fasteners, a partnership firm duly registered in India, 95 E, Oomar Park, Bhulabhai Desai Road, Bombay-26, State of Maharashtra, India, "Lock screw". September 1, 1970.

Class 1. No. 137905. Sang Fasteners, a partnership firm duly registered in India, 95 E, Oomar Park, Bhulabhai Desai Road, Bombay-26, State of Maharashtra, India, "Locking screw". September 1, 1970.

Class 1. No. 137930. Narayan Patincharathra Balakrishna Menon, 2 Harrington Street Calcutta-16, West Bengal, India, Indian Nationality. "A metal or steel tape". September 7, 1970.

Class 1. No. 137934. Indian Oxygen Limited, Oxygen House, P-34, Taratala Road, Calcutta 53 West Bengal, India, an Indian Company, "A cylindrical valve", September 9, 1970.

Class 1. No. 137936. Messrs. Rool-Trim Co., D-71, Hauz Khas, New Delhi-16, an Indian partnership concern, "A device for physical exercise". September 9, 1970.

Class 1. No. 137939. Sang Fasteners, a partnership firm duly registered in India, 95 E, Oomar Park, Bhulabhai Desai Road, Bombay-26, State of Maharashtra, India, "Lock screw". September 10, 1970.

Class 1. Nos. 137971 and 137972. Mrs. Annamma Abraham, wife of Mr. K. C. Abraham, No. 84, Seethamma Extension, Teynampet, Madras-18, Tamil Nadu, Indian, "Type faces". September 21, 1970.

Class 1. No. 137976. Ashoka Consumer Products, An Indian Partnership Firm, 408, Loha Bhavan, P. De Mello Road, Bombay 9, Maharashtra, India, "Stamp pad", September 21, 1970.

Class 1. Nos. 137977 and 137978. Chandan Metal Products Private Limited, an Indian Private Limited Company, duly registered and incorporated under the Companies' Act and having its Registered Office at : 13, Koregaon Park, Poona-1, Maharashtra, India, "A bim", September 21, 1970.

Class 3. No. 137597. Ekco-Hawkins Ltd., a British Company, Drury Lane Hastings, Sussex, England, "A combined table lamp", alarm clock and electric kettle", June 9, 1970.

Class 3. No. 137759. Hindustan Lever Limited, a Company incorporated in India and having its registered office at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-1, BR, Maharashtra, "Jar", July 31, 1970.

Class 3. No. 137799. Mafatlal Apparel Manufacturing Company a partnership concern, registered under the Indian Partnership Act, Mehta Mahal 15, Mathew Road, Bombay-4-State of Maharashtra, "Plastic hanger". August 10, 1970.

Class 3. No. 137832. Kamal Products, 2, Shanti Nagar, Sainath Road, Malad (West), Bombay-62 (NB), State of Maharashtra, a partnership firm registered under the Indian Partnership Act "Bottle", August 22, 1970.

Class 3. Nos. 137914 and 127915. International Rubber Industries, N. A., 423-A, Hoshiarpur Road, Jullundur City, Punjab State, an Indian Sole proprietary concern, "Rubber Sheet for soles of shoes and chappals". September 7, 1970.

Class 3. No. 137937. Messrs. Roll-Trim Co., D-71, Hauz Khas, New Delhi-16, an Indian partnership concern, "A device for physical exercise". September 9, 1970.

Class 3. No. 137988. Suresh Balram Bhatia, (an Indian National), 22A, Miramar, Napear Sea Road, Bombay-26 (Maharashtra), "Sprayer", September 22, 1970.

Class 3. No. 137997. Nand Kishore Khanna & Sons, an Indian partnership firm, Arun Chambers, 1st Floor, Opposite Walchand Terrace, Tardeo Road, Bombay-34, State of Maharashtra, "A container", September 26, 1970.

Class 3. No. 137998. Nand Kishore Khanna & Sons, an Indian partnership firm, Arun Chambers, 1st Floor, Opposite Walchand Terrace, Tardeo Road, Bombay 34, State of Maharashtra "A device for use in flushing cistern of lavatories". September 26, 1970.

Class 3. No. 138069. Tehmuras Bejonji Buhariwala S/4, Cusrow Bang, Fort, Bombay 1, State of Maharashtra, India, an Indian National, "A container for keeping ice-cream or like preparations". October 17, 1970.

Class 4. No. 137423. Farinni Eleven Up, an Indian partnership firm, 18 Amratolla Street, Calcutta-1, West Bengal, India "A bottle", May 4, 1970.

Class 4. No. 137760. Hindustan Lever Limited, a Company incorporated in India and having its registered office at Hindustan Lever House, 165/166 Backbay Re-

- clamation. Bombay 1 BR. Maharashtra, "Jar", July 31, 1970.
- Class 4. 138032. Malcolm Babington Clark, a British subject and Builder, 183 Romsey Road, Winchester, formerly of Cornerstones, Fairfield Road, Shawford near Winchester, Hampshire, England, and Ronald Alfred Clark, a British subject, "Cornerstones", Fairfield Road, Shawford, near Winchester, Hampshire, England, "A building block", April 30, 1970. (U. K.).
- Class 4. No. 138125. Godrej Soaps Private Limited, a private limited company incorporated under the Indian Companies Act, 1913, Eastern Express Highway, Vikhroli (East), Bombay-79, Maharashtra State, India, "Glass bottle", October 24, 1970.
- Class 10. No. 137424. Universal Footwear Co., an Indian Partnership firm, 93, Queens Road, Bombay No. 1, Maharashtra State, "Footwear", May 5, 1970.
- Class 10. No. 138040. General Plastics, Neela Compound, Sonawala Estate, Goregaon (East), Bombay 63 NB, State of Maharashtra, India, an Indian Partnership Firm, "A footwear", October 12, 1970.
- Class 10. No. 137899. Super Polyplast (P) Limited, an Indian Company, 26/109, Pheel Khana, Kanpur-1, U.P., India, "Shoe", August 27, 1970.
- Class 10. No. 137947. Bien Plastics of Blobe Mill Passage, Bombay 13, (Maharashtra) an Indian Partnership concern "Footwear", September 14, 1970.
- Class 10. No. 137900. Teejey Industries (an Indian Partnership Firm), A-39, Royal Optical Estate, 5-B, Naigaum Cross Road, Wadala, Bombay 31, (Maharashtra), "Footwear", August 27, 1970.
- Class 12. No. 137761. Hindustan Lever Limited, a Company incorporated in India, Hindustan Lever House, 165/166 Backbay, Relcarnation, Bombay 1 BR, Maharashtra, "Jar", July 31, 1970.
- Class 12. No. 138019. Indian Wax Industries, (an Indian Proprietary concern), 4, Hareesh Chambers, 313/319, Samuel Street, Vadgadi, Bombay 3 (Maharashtra), "Candle", October 3, 1970.
- Class 12. No. 137989. Indian Wax Industries (an Indian Proprietary concern), 4, Hareesh Chambers, 313/913, Samuel Street, Vadgadi, Bombay 3, (Maharashtra), "Candle", September 22, 1970.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 128992 and 127506 Class—1.

#### COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 106085 Class—3.

#### CANCELLATION OF THE REGISTRATION OF DESIGNS (SECTION 51A)

An application made by Ashok Kumar, proprietor, Tokyo Radio and Television Industries for cancellation of the design No. 132023 in Class I, in the name of Electronic Products, which was notified in Part III, Section 2 of the Gazette of India dated the 23rd November 1968, the registration of the said design has been cancelled.

S. VEDARAMAN,  
Controller General of Patents, Designs  
and Trade Marks.